



Super Reduced String

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Problem

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Editorial

Steve has a string, s , consisting of n lowercase English alphabetic letters. In one operation, he can delete any *pair of adjacent letters* with same value. For example, string "aabcc" would become either "aab" or "bcc" after **1** operation.

Steve wants to reduce s as much as possible. To do this, he will repeat the above operation as many times as it can be performed. Help Steve out by finding and printing s 's non-reducible form!

Note: If the final string is empty, print `Empty String`.

Input Format

A single string, s .

Constraints

- $1 \leq n \leq 100$

Output Format

If the final string is empty, print `Empty String`; otherwise, print the final non-reducible string.

Sample Input 0

```
aaabccddd
```

Sample Output 0

```
abd
```

Sample Case 0

Steve can perform the following sequence of operations to get the final string:

- aaabccddd \rightarrow abccddd
- abccddd \rightarrow abddd
- abddd \rightarrow abd

Thus, we print `abd`.

Sample Input 1

```
baab
```

Sample Output 1

```
Empty String
```

Explanation 1

Steve can perform the following sequence of operations to get the final string:

1. baab → bb
2. bb → Empty String

Thus, we print Empty String.

Sample Input 2

aa

Sample Output 2

Empty String

Explanation 2

Steve can perform the following sequence of operations to get the final string:

1. aa → Empty String

Thus, we print Empty String.

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Submissions: 35340



Max Score: 10

Difficulty: Easy

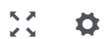
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☆☆☆☆☆

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C#



```
1 using System;
2 using System.Collections.Generic;
3 using System.IO;
4 class Solution {
5     static void Main(String[] args) {
6         string s = Console.ReadLine();
7         int i = 0;
8
9         while (i < s.Length-1)
10        {
11            if (s[i] == s[i+1])
12            {
13                string s0 = i-1 >= 0 ? s.Substring(0, i) : "";
14                string s1 = i+2 < s.Length ? s.Substring(i+2, (s.Length - i - 2)) : "";
15                s = s0 + s1;
16                i = 0;
17            }
18            else
19                i++;
20        }
21        s = String.IsNullOrEmpty(s)? "Empty String" : s;
22        Console.WriteLine($"{s}");
23    }
24 }
```

Line: 10 Col: 10

Congrats, you solved this challenge!

✓ Test Case #0
✓ Test Case #3
✓ Test Case #6
✓ Test Case #9
✓ Test Case #12
✓ Test Case #15

✓ Test Case #1
✓ Test Case #4
✓ Test Case #7
✓ Test Case #10
✓ Test Case #13

✓ Test Case #2
✓ Test Case #5
✓ Test Case #8
✓ Test Case #11
✓ Test Case #14

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